

Split

Work Order ID 73919-1

Monday, September 19, 2011 11:20:43 AM



PRELIMINARY ISSUE

11.10.04 ECW 11-637

Item ID: D4002-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Aux Tank Drain Hose Assembly, Aft

Start Date: 9/19/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 9/22/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: U Date:
 QC: U Date:

Tooling: Date:
 SPC (Y/N): Date:

Run Start
 Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID Tool # Plan Accept Reject Reject Insp.
Code Qty Qty Number Stamp

Draw Nbr

Revision Nbr

D4002

PCY

C 11.10.04

100

0.00



Purchasing

Memo

0.00

Purchasing

Issue P/O: 14931
Purchase part as per Dwg D4002
Part #: 156001-3S-0154
Possible Supplier: Aviall / API
Material release note required

U 11.09.09

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

Rec'd 9/22/11 (4)

Work Order ID 73919

Monday, September 19, 2011 11:20:43 AM



Page 2

Item ID: D4002-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Aux Tank Drain Hose Assembly, Aft

Start Date: 9/19/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 9/22/2011 Req'd Qty: 4.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

- inspected to PC 1



QC

Memo

0.00

Day only
Sulur/23



Quality Control

121

Memo

0.00



Small Fab

0.00

Small Fab

Assemble fitting, o-ring and valve as per dwg D4002

Handwritten signature and circled 2

122

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Sulur/05



Quality Control

Work Order ID 73919

Monday, September 19, 2011 11:20:43 AM



Page 3

Item ID: D4002-043	Accept		Setup Start	
Revision ID:			Stop	
Item Name: Aux Tank Drain Hose Assembly, Aft				
Start Date: 9/19/2011	Start Qty: 4.00			
Required Date: 9/22/2011	Req'd Qty: 4.00			
Reference:				
			Run Start	
			Stop	

Approvals:	Process Plan:	Date:	Tooling:	Date:	
	QC:	Date:	SPC (Y/N):	Date:	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>ST 193</u>	0.00							
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
QC	Memo	0.00							
Quality Control									

POSITIVE RECALL
EFFECTIVE 11-09-19 AUTH [Signature]
RELEASED 11 DATE 11-09-22
per ECN 11-637

11/10/11 [Signature]
MK
11-10-6

Picklist Print

Monday, September 19, 2011 11:20:39 AM

Page 1

Work Order ID: 73919

Parent Item: D4002-043

Parent Item Name: Aux Tank Drain Hose Assembly, Aft



Start Date: 9/19/2011

Required Date: 9/22/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP rev A 10.01.21 new issue Prelim EC verified by:DD IPP rev B
10.11.03 added MS29528-04 DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

156001-3S-0154 Purchased No



Hose Assembly

AN894D4-3 Purchased No



Fitting

Location

Loc Qty

Loc Code

ST334

20

117317

2

118891

8

118926

10

MS29512-04 Purchased No



O-RING

Location

Loc Qty

Loc Code

ST294

23

116304

3

118853

20

MS29528-04 Purchased No



Fuel Drain Valve

121

Each

0.0000

1

4

M11909C

(2x)



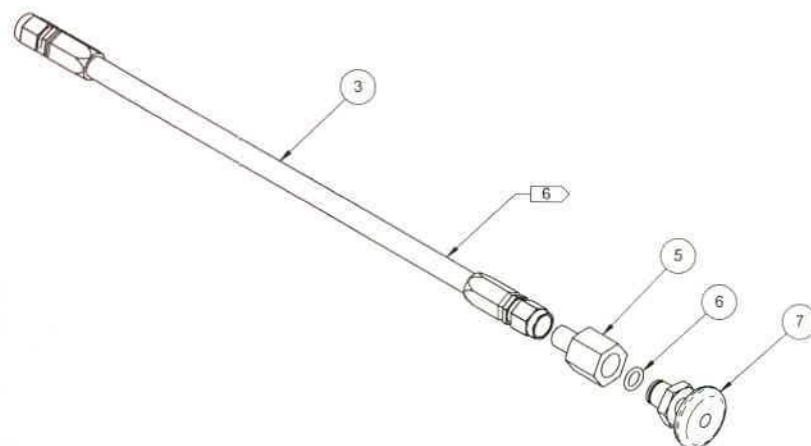
Rec'd 9/22/11

GS 11/10/04

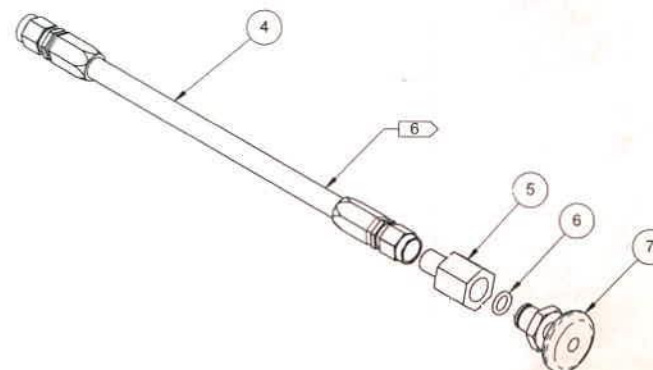
2
GS 11/10/04

2
GS 11/10/04

ITEM NO.	QTY. -041	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X		D4002-041	AUX TANK DRAIN HOSE ASSEMBLY, FWD	JCA-M47-1-13
2		X	D4002-043	AUX TANK DRAIN HOSE ASSEMBLY, AFT	JCA-M47-1-16
3	1		D4002-1	HOSE ASSEMBLY	
4		1	D4002-3	HOSE ASSEMBLY	
5	1	1	AN894D4-3	FITTING	
6	1	1	MS29512-04	O RING	
7	1	1	CCB4320	FUEL DRAIN VALVE (MS29528-4)	



D4002-041 DRAIN HOSE - FRONT



D4002-043 DRAIN HOSE - REAR

PRELIMINARY ISSUE

11.09.19

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: D4002-041 - 0.21 lbs
D4002-043 - 0.20 lbs

PC1

PC1	ADDED 8.00" TO D4002-1/-3 HOSES; AFFECTED WEIGHT	MB	11.09.14
B	CHANGE LENGTH MEASUREMENT FOR -3, ZN C2-2	HS	10.11.03
A	NEW ISSUE	HS	10.03.01
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.09.19		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.
D4002

REV. PC1

SHEET 1 OF 2

TITLE
HOSE ASSEMBLY

SCALE

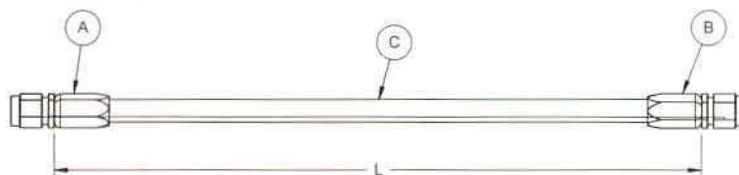
NTS

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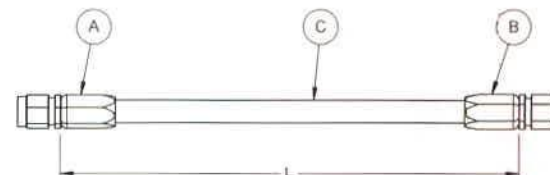
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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4002-1	REF JCA-M47-1-13
D4002-3	REF JCA-M47-1-16
D4002-5	JCA-M47-2-13
D4002-7	JCA-M47-2-25

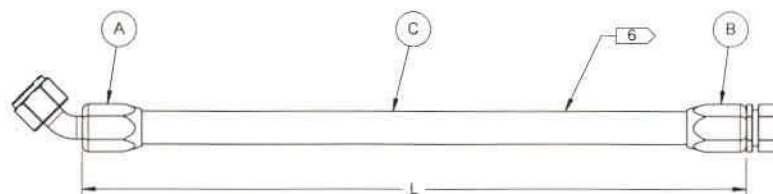
SPECIFICATION CONTROL DRAWING



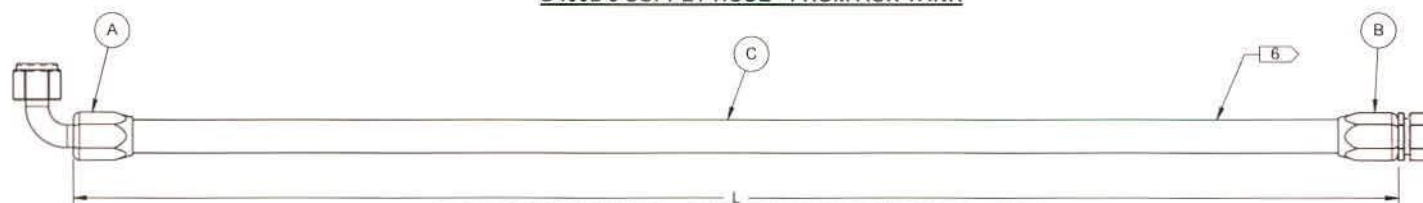
D4002-1/-9 HOSE ASSEMBLY



D4002-3/-11 HOSE ASSEMBLY



D4002-5 SUPPLY HOSE - FROM AUX TANK



D4002-7 SUPPLY HOSE - PUMP TO MAIN TANK FILLER NECK

DART PART NUMBER	STRATOFLEX PART NUMBER	POSSIBLE VENDOR	LENGTH "L"	END FITTING "A"	END FITTING "B"	HOSE "C"	WEIGHT
D4002-1	156001-3S-0185	AVIALL/API	17.90	676-3S	676-3S	156-3	0.16 lbs
D4002-3	156001-3S-0154	AVIALL/API	14.76	676-3S	676-3S	156-3	0.15 lbs
D4002-5	156003-6D-0102	AVIALL/API	8.94	678-6D	676-6D	156-6	0.13 lbs
D4002-7	156005-6D-0213	AVIALL/API	20.31	680-6D	676-6D	156-6	0.19 lbs

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: SEE TABLE

PRELIMINARY ISSUE

11.09.19

DESIGN		DART AEROSPACE LTD
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. D4002
MFG. APPR.		REV. PC1
APPROVED		SHEET 2 OF 2
DE APPR.		TITLE HOSE ASSEMBLY
DATE 11.09.19		SCALE NTS
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Linda Lacelle

From: Marc Bellavance <mbellavance@dartaero.com>
Sent: September 19, 2011 8:57 AM
To: Lacelle, Linda
Subject: D4002-041/-043
Attachments: D4002-PC1.pdf

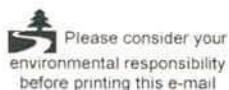
Importance: High

Hi Linda,

After much discussion on Friday with David, please find attached drawing which must be used to order the longer hoses to ensure compatibility with Squirrel Cheeks as requested by Eurocopter Canada. We need to order those ASAP.

Note that the D4002-1/-3 are now 8.00" longer and that the Stratoflex P/N's have been revised as well to reflect that change.

See me if you have any questions.



Marc Bellavance
Technical/Shop Support
Tel: 613-632-5200 Ext. 243
Cel: 613-676-0992
Fax: 613-632-9311

Product Documentation: Verify Revision Status/Download [HERE!](#)

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO14931

Purchase Order Date 9/19/2011

PO Print Date 9/19/2011

Page Number 1 of 1

Order From :

VU-AVI003

AVIALL
PO BOX 842267
DALLAS, TX 75284-2267
USA

Contact Name

Vendor Phone

905-676-1695

Vendor Fax

905-676-9046

Vendor Account Nbr

Buyer

Linda Lacelle

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	156001-3S-0185	Hose Assembly	9/23/2011 Yes	4.00 Each	FedEx Overnight	\$106.4500	\$425.80
Special Inst: PER DRWG D4002 REV PC1							
2	156001-3S-0154	Hose Assembly	9/23/2011 Yes	4.00 Each	FedEx Overnight	\$102.6100	\$410.44

Special Inst: AS ABOVE

PO Total:

\$836.24

Change Nbr: 1

Change Date: 9/19/2011

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



PACKING LIST



PAGE: 1
DATE: 09/20/11
TIME: 13:28
EMP#: 22611
ORD TYP: RG 241
CURRENCY: USD

CUSTOMER P.O.: 14931

SHIP 70770

ORDER NUMBER: 0011448602- 70770
ORDER DATE: 09/19/11

SHIP VIA: FED PLAM - COLLECT

B 032028
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
T CANADA
O

S
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA
O

S 41270
H AVIALL DALLAS HOSE SHOP
I
P AVIALL
HOSE SHOP
F 2755 REGENT BLVD
R DFW AIRPORT TX 75261-9048
O
M U.S.A.

LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	BACK ORDER	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
------	-----	---------------------	-------------------	------------------	------------	-----	------------	----------------	----------------------------

PLEASE SHIP FEDEX P1 ON CUSTOMER ACCOUNT
NUMBER 1517-9324-0, AWB# MUST REFERENCE
THE PURCHASE ORDER NUMBER. SHIP TO THE
ATTN OF LINEA LACELL PHONE: 613-632-9577

1	1S	156001-3S0185	4	4		0 EA	106.45	106.4500	425.80
---	----	---------------	---	---	--	------	--------	----------	--------

HOSE: RUBBER MED PRES, ASSEMBLY

REF:

Schedule B: 4009.42.0050
Country of Origin: U.S.A.

ECCN: EAR99

LOT 51235368 EA

4

2	1S	156001-3S0154	4	4		0 EA	102.61	102.6100	410.44
---	----	---------------	---	---	--	------	--------	----------	--------

HOSE: RUBBER MED PRES, ASSEMBLY

REF:

Schedule B: 4009.42.0050
Country of Origin: U.S.A.

ECCN: EAR99

LOT 51235367 EA

4

*** The recipient of these goods agrees to comply with all export regulations
*** governing the transfer, sale, lease, or use of these goods. Diversion
*** contrary to U.S Law is prohibited.

Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO

CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd, DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Quality Assurance & Training

Shipped Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED
MERCHANDISE SUBJECT TO HANDLING FEE.
THIS IS TO CERTIFY THAT AVIALl HAS COMPLIED WITH THE PROVISIONS
OF THE FAIR LABOR STANDARDS ACT OF 1938 AMENDED

CUSTOMER COPY



Hose Shop 2755 Regent Blvd. DFW Airport 75261

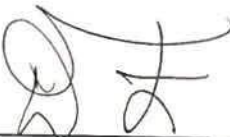
Phone 972-586-1380 Fax 972-586-1381 www.aviall.com

TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such part and/or materials are new and are in condition for safe operation.

Aviall Order Number: 11448602

1. 156001-3S0185 4EA.
2. 156001-3S0154 4EA.

Signed: 

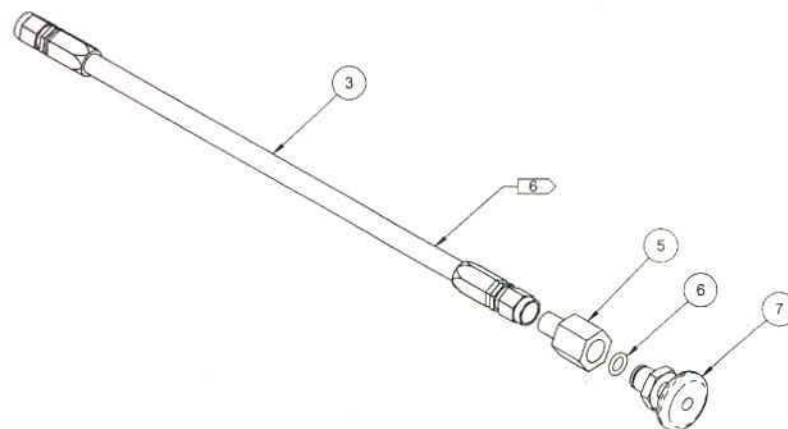
Date: 9-20-11

"Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43".

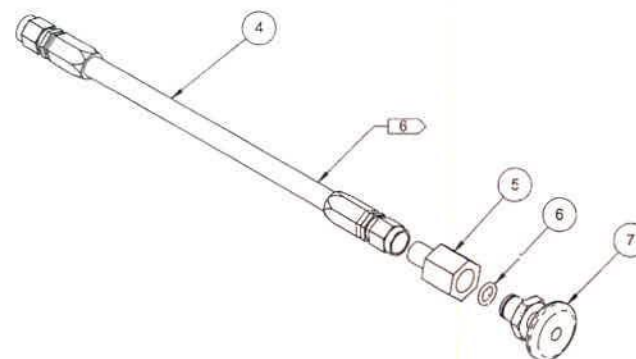
If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

FORM# CERT-001

ITEM NO.	QTY. -041	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X		D4002-041	AUX TANK DRAIN HOSE ASSEMBLY, FWD	JCA-M47-1-13
2		X	D4002-043	AUX TANK DRAIN HOSE ASSEMBLY, AFT	JCA-M47-1-16
3	1		D4002-1	HOSE ASSEMBLY	
4		1	D4002-3	HOSE ASSEMBLY	
5	1	1	AN894D4-3	FITTING	
6	1	1	MS29512-04	O RING	
7	1	1	CCB4320	FUEL DRAIN VALVE (MS29528-4)	



D4002-041 DRAIN HOSE - FRONT



D4002-043 DRAIN HOSE - REAR

- NOTES:**
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
 - 7) WEIGHT: D4002-041 - 0.21 lbs
D4002-043 - 0.20 lbs

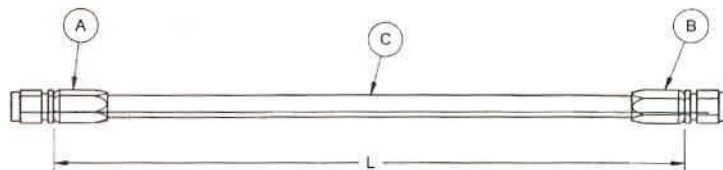
REV.	DESCRIPTION	BY	DATE
C	ADDED 8.00" TO D4002-1/3 HOSES; AFFECTED WEIGHT	MB	11.09.14
B	CHANGE LENGTH MEASUREMENT FOR -3, ZN C2-2	HS	10.11.03
A	NEW ISSUE	HS	10.03.01
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.09.14		

RELEASED
2011-09-21
MD

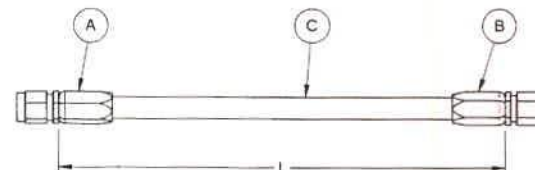
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D4002	REV. C SHEET 1 OF 2
TITLE HOSE ASSEMBLY	SCALE NTS
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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4002-1	REF JCA-M47-1-13
D4002-3	REF JCA-M47-1-16
D4002-5	JCA-M47-2-13
D4002-7	JCA-M47-2-25

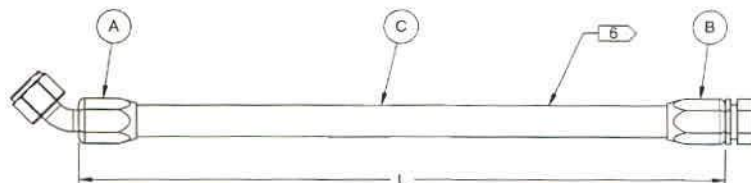
SPECIFICATION CONTROL DRAWING



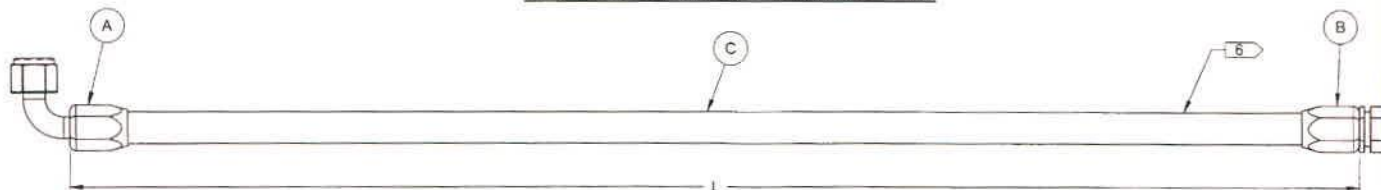
D4002-1 HOSE ASSEMBLY



D4002-3 HOSE ASSEMBLY



D4002-5 SUPPLY HOSE - FROM AUX TANK



D4002-7 SUPPLY HOSE - PUMP TO MAIN TANK FILLER NECK

DART PART NUMBER	STRATOFLEX PART NUMBER	POSSIBLE VENDOR	LENGTH "L"	END FITTING "A"	END FITTING "B"	HOSE "C"	WEIGHT
D4002-1	156001-3S-0185	AVIAL/ API	17.90	676-3S	676-3S	156-3	0.16 lbs
D4002-3	156001-3S-0154	AVIAL/ API	14.76	676-3S	676-3S	156-3	0.15 lbs
D4002-5	156003-6D-0102	AVIAL/ API	8.94	678-6D	676-6D	156-6	0.13 lbs
D4002-7	156005-6D-0213	AVIAL/ API	20.31	680-6D	676-6D	156-6	0.19 lbs

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: SEE TABLE

RELEASED
2011-09-21

DESIGN		DART AEROSPACE LTD
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. D4002
MFG. APPR.		REV. C
APPROVED		TITLE HOSE ASSEMBLY
DE APPR.		SCALE NTS
DATE	11.09.14	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRELIMINARY AND CONFIDENTIAL, AND IS SUPPLIED ON THE SAME AS CONFIDENTIAL. IT IS NOT TO BE USED FOR ANY PURPOSES OR DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.</small>